



Mangla Dam Raising Project

Infrastructure



Civil Infrastructure

During the last thirty three years, Descon has distinguished itself by successfully executing multi-disciplined projects inside Pakistan as well as the Middle East.

Building upon its strengths and experiences from industrial development projects, Descon has rapidly established itself as a key player in executing large-scale projects like dams, barrages, canals and motorways. We hold the distinction of being the first ever local company to successfully design and build a dam with complete irrigation system and allied facilities in Pakistan on EPC basis.

Services offered in Civil Infrastructure

- Roads, Motorways and Bridges
- Dams, Barrages, Canals
- Steel and RCC frame Buildings

- Earthworks
- Landscaping
- Water retaining structure
- Tunnels
- Irrigation networks
- Concrete lining
- Heavy concrete structures
- Foundation, piling and water proofing
- Drainage & sewerage work

Construction Equipment

We have a large fleet of construction equipment including:

- Cranes of all types and different capacities up to 1200 tons.
- Concrete batching plants
- Asphalt batch plants
- Dredgers
- Heavy earthmoving equipment (Dozers, Excavators, Loaders, Dump Trucks etc)

- Scaffolding, Piling, Shoring equipment
- Specialized equipment (Vibro hammers etc)

Management Resources & Facilities

Our project teams equipped with the latest Project Planning & Monitoring systems possess the capability to meet the challenges posed by mega size projects involving heavy civil works.

Such operations are based on a large pool of professionals and skilled workers.

Infrastructure projects Executed:

Mirani Dam

Irrigating 33,200 acres of land in Baluchistan, Mirani Dam was built on EPC basis. The canal network and a 40 km road were also part of the scope of work.

Mangla Dam Raising Project

This project involved raising of the main dam crest level by 30 ft. The dam is an earth-filled structure with clay core/ gravel and rolled sand stone shoulders. The raising of dam required handling of about 50 million cubic yards of different type of materials and involved specialized activity of underwater gravel filling for toe weight.

Satpara Dam Project

This irrigation cum hydro-power dam is considered to be built at the highest altitude anywhere (8750 ft). The dam, built on Satpara Lake (in Baltistan) involved civil works and hydraulic steel structures for two power houses (12 MW).

Kachhi Canal Project

The project involved construction of head regulator including hydraulic gates with allied lifting mechanism and structure, silt excluder, RCC divide wall and construction of main canal including 1,000 feet concrete lined portion.

Rainee Canal Project

This project involved construction of river training works, head regulator including hydraulic steel structures for gates, earthwork and structures of canal from head regulator.

Taunsa Barrage Emergency Rehabilitation and Modernization Project

This project involved civil works and hydraulic steel structures, construction of subsidiary weir downstream, grouting of joints of mass concrete, removal of existing shattered skin and laying of about 3 ft. thick concrete overlay with nominal reinforcement.

The scope of work included construction of Silt Excluder, raising of crest of head regulator of canal, provision of filter and pressure release pipes.

The project involved 300,000 cubic meter concrete poured in a short span of eight months, coffer dam to withstand 400,000 cusec flow of river Indus and design, fabrication and installation of fully mechanized radial gates.

Rehabilitation of Sukkur Barrage

This project was executed by Descon (1985-1990) in a JV with British Whessoe Engineering Company and involved site fabrication / installation and refurbishment of hoisting equipment required to replace 56 river gates including counter weights and 165 canal gates.

Islamabad - Peshawar Motorway (Section - M-1)

This project involved construction of 20 km of six-lane motorway including a major bridge on Kabul River.



Satpara Dam



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